

Claims

1. Gas turbine (1) with an annular combustion chamber (4), the combustion area (24) of which is bounded by an annular combustion chamber outer wall (26) on the one hand and an annular combustion chamber inner wall (28) located therein on the other hand, wherein the combustion chamber inner wall (28) is formed by a plurality of wall elements attached to a support structure of the combustion chamber inner wall (28) and wherein the support structure is formed by a plurality of sub-components (30) abutting each other at a horizontal parting joint, said sub-components being connected to each other in the area of the parting joint via a plurality of screw connections (32) oriented at an angle to the inner wall surface.
2. Gas turbine (1) according to Claim 1, wherein a key (34) is assigned to the or each screw connection (32).
3. Gas turbine (1) according to Claim 1 or 2, wherein the combustion chamber outer wall (26) of the annular combustion chamber (4) is implemented in two parts and formed by a lower part (38) interacting with an upper part (36).
4. Gas turbine (1) according to one of Claims 1 to 3, wherein the combustion chamber inner wall (28) and/or the combustion chamber outer wall (26) is fitted with a lining formed by a plurality of heat shield elements (40).
5. Gas turbine (1) according to Claim 4, wherein the heat shield elements (40) are attached to the combustion chamber inner wall (28) or the combustion chamber outer wall (26) by means of a tongue and groove system.